

## **Anniversary of Invention - 2004**

### **200 years ago (1804)**

Freidrich Winzer (Winsor) was the first person to patent gas lighting.

Richard Trevithick, an English mining engineer, developed the first steam-powered locomotive.

The machine was too heavy and broke the rails on which it was traveling.

### **175 years ago (1829)**

American, W.A. Burt invents a typewriter.

Frenchmen, Louis Braille invents braille printing.

William Austin Burt patents a typographer, a predecessor to the typewriter.

### **150 years ago (1854)**

John Tyndall demonstrates the principles of fiber optics.

### **125 years ago (1879)**

Thomas Edison develops the carbon filament lightbulb.

### **100 years ago (1904)**

Teabags invented by Thomas Sullivan.

Benjamin Holt invents a tractor.

John A Fleming invents a vacuum diode or Fleming valve.

Charles Menches first created and sold the ice cream cone at the Louisiana Purchase Exposition.

He ran out of dishes, so he rolled up the Zalabia (a Middle Eastern treat consisting of a crisp, wafer-like pastry sold with syrup), scooped his ice cream on top, and ice cream cones were born.

### **75 years ago (1929)**

American, Paul Galvin invents the car radio.

Yo-Yo re-invented as an American fad.

### **50 years ago (1954)**

On December 23, 1954, Dr. Joseph E. Murray performed the first successful U.S. organ transplant. Ronald Herrick donated a kidney to his dying twin, Richard, who lived for eight years after receiving the organ. Dr. Murray won the Nobel Prize in 1990 for his role in the pioneering operation.

The nuclear powered submarine Nautilus was launched.

Oral contraceptives invented.

The first nonstick pan produced.

The solar cell invented by Chaplin, Fuller and Pearson.

Ray Kroc started McDonalds.

### **25 years ago (1979)**

Cellular phones invented.

Cray supercomputer invented by Seymour Cray.

Walkman invented.

Scott Olson invents roller blades.

## **10 years ago (1994)**

HIV protease inhibitor invented.

## **Today (2004)**

### **Commercial Space Travel**

American Mojave Aerospace Team, led by research aircraft developer Burt Rutan, and financier Paul Allen, won the \$10 million for its successful completion of the history making ANSARI X PRIZE. The team prevailed over 25 additional teams from across the globe in developing and flying a privately financed, manned spaceship to an altitude above 100km. The criteria called for the spacecraft to fly twice, within a two-week period, before the December 31 deadline, with a pilot and the weight equivalent of two additional people.

The X PRIZE Foundation is a not-for-profit educational organization whose mission is to create educational programming for students and space enthusiasts as well as provide incentives in the private sector to make space travel frequent and affordable for the general public.

June 21, 2004 - Test Pilot Mike Melvill flew the first non-governmental rocket ship to the edge of space and piloted to a safe landing on a desert airport runway in Mojave, California, achieving an altitude of 328,491 feet in Space Ship One. The White Knight turbo jet carried Space Ship One into the air.

September 29, 2004 - Mike Melvill successfully flew the first flight of the X-Prize, achieving an altitude of 337,700 feet.

October 4, 2004 - Brian Binnie successfully flew the second flight of SpaceShipOne, achieving an altitude of 377,591 feet and winning the \$10 million Ansari X Prize.

Adidas 1 the thinking shoes with a built in microprocessor that decides how soft or firm support the wearer needs.

Translucent Concrete developed by Hungarian architect Aron Losonczi and called LitraCon and is based on a matrix of parallel optical glass fibers embedded into the concrete that can transmit light and color from the outside.

Ka-on or Flower Sound are plants that play music invented by the Japanese based Let's Corporation. Flowers bouquets will act as loudspeakers when placed in a special vase that has electronics hidden in the base.

Intel Express Chipsets - Grantsdale and Alderwood are the code names of Intel's newest chips that will provide superior and inexpensive built-in sound and video capacities for the pc including the ability to do high definition video editing without additional computer cards.

SonoPrep invented by bioengineer Robert Langer, is a device that will deliver medication by sound waves rather than injection. According to the Sontra Medical Corporation, SonoPrep's manufacturer: The small, battery-powered device applies low-frequency ultrasonic energy to the skin for 15 seconds. The ultrasound temporarily rearranges lipids in the skin, opening channels that let fluids be delivered or extracted. After about 24 hours, the skin returns to normal.